

YADERNAYA FIZIKA, Vol 16, No 3, Sept 1972, pp 441-632

English version Vol 16, No 3, March 1973, pp 245-354

Full Translation AMERICAN INSTITUTE OF PHYSICS

available Ly Serials

YADERNAYA FIZIKA, Vol. 16, No. 4, pp.355-485.

C/C American Institute Of Physics

Available at Ly Serials

YADERNAYA FIZIKA, Vol. 16, No. 5, May 1973.
ENGLISH PAGES: 487-622
RUSSIAN PAGES: 881-1135

American Institute Physics

Avail Ly Ser

YADERNAYA FIZIKA, Vol. 16, No. 6, June 1973
ENGLISH PAGES: 623-733
RUSSIAN PAGES: 1137-1329

C/O American Institute of Physics

Avail Ly Ser

YADERNAYA FIZIKA, Vol. 17, No.1, January, 1979
ENGLISH PAGES: 1-107
RUSSIAN PAGES: 3-224

C/C American Institute Physics
Avail Ly Ser

UNKNOWN

//YADERNAYA FIZIKA//

--/08/1973, V0017, N0002,

Soviet Journal of Nuclear Physics, February 1973,

English pages 115-280

Russian pages 226-446

Full translation AMERICAN INSTITUTE OF PHYSICS

Available Library Serials 98

27-Feb-74

Uncl (BNL-tr--549) Angular and energy distributions
of neutrons inelastically scattered by Fe and Ni nuclei.
TERTYCHNYI, G.YA.; SHUBIN, YU.N. Translated by S. J.
Amoretty from Yadern. Fiz. - 17: No. 2, 287-292(1973).
14p. Dep. NTIS \$3.00.

20H physics (nuclear); translations
MN-34c P NSA

BOBANSKY, D. D.
//YADERNAYA FIZIKA, //
-/03/1978, V0017, N0003,
Measurement of coincidences between positrons
and delayed protons for TE109,
pp 457-462, AIP88

YADERNAY, A. N.

YADERNAY, FIZIKA, //

7/03/1973, V0017, N0013,

stant dipole resonance in Nuclei of the transi-

tional region around A=190,

p 463-469, AIP88

Dubrovina, M.

Variation of the Mass Distribution of Th^{232}
Fission Fragments with Neutron Energy

YADERNAYA FIZIKA, V.17 (3), 1973 pp 470-474

*AEC/LB/G/308/54

DUBROVINA, S. M.
//YADERNAYA FIZIKA, //
--/03/1973, V0017, N0003
Variation of mass distribution of Th22 fission
fragments with neutrons energy,
PP 470-474 AIP90

■ ■ ■ Maksyutenko, B.P.

Mass and Charge Balance in Fission,
and Delayed Neutrons

YADERNAYA FIZIKA, V.17 (3), 1973 pp 481-488

*AEC/LB/G/308/55

MAKSHOVENKO, B. P.
//yadernaya fizika, //
--/03/1973, V0017, N0603.
Mass and charge balance in fission and delayed
neutrons,
pp 461-488, AIP88

HEER PLAN 201
//YADUSAYA FIZIKA, //
--/03/1973, Y0017, N0003
Angular distribution of fragments of spontaneous
fissioning isomers,
pp 489-496 AIP 00

MAKSHAKOVA, V. E.
//YADERNAYA FIZIKA, //
--/03/1973, V0017, N0003,
Adiabatic excitation of fissioning nucleus,
pp 487-501, AIP00

IGNATYUK, A. V.

//YADERNAYA FIZIKA, //

--/03/1978, V0617, NE093

Spin dependence of the density of excited states
in the superfluid nucleus model,
pp 502-518 AIP88

PERMANENT. A. I.
//SADENAYA FIZIKA, //
--/83/1973, V0017, N0003
Calculation of the properties of low-lying
levels taking multiquantum excitation into
account,
pp 519-524, AIP00

BELEAEV, S. T.

//YADERNAYA FIZIKA, //

--/08/1972, V0017, N0002.

Rotational excitation of nuclei in the method
of the generalized density matrix,
pp 525-539 AIP88

GORBATOV, A. N.
//YADERNAYA FIZIKA, //
--/03/1973, V0017, N0003,
Introduction of proton, neutron, and hyperon
collection degrees freedom into the computation
scheme of the K-harmonics method,
PP 540-546 AIP@

WORDEN I. I.
//YADERNAYA FIZIKA.//
--/03/1973, V0017, N0003,
Investigation of the coherent process $\pi\pi-\pi\pi-\pi\pi^0$
at 3.3 GeV/c momentum on the xenon nucleus,
pp 547-550 AIP00

ВОРОБЬЕВ, И. И.
//ТАДЖИКАТА ФИЗИКА, //
--/08/1973, V0017, N0003,
Determination of the number of effective
nucleons in carbon and xenon nuclei in the
study of TT interactions,
pp 551-554 AIP00

KLIGER, G. K.
//YADERNAYA FIZIKA.//
--/03/1979, V5017, NO103
 ρ^0 -meson production in the reaction $\pi^+\pi^- \rightarrow \pi^+\pi^-$
 $\pi^+\pi^-$ at momentum 4.5 GeV/c,
pp 555-560 AIP 88

GILSON, E. A.
//YADONAYA PERINA, //
--/08/1978, 40817, 100003,
One-particle exchange module for weak leptonic
interactions leptonic processes,
pp 567-575, AIP08

KHRIPILOVICH, I. B.
//YADERNAYA FIZIKA, //
--/03/1973, V0017, N0003,
Charge asymmetry of the angular distribution
of muons in the process $E^+E^-u^+u^-$
pp 576-581, AIP00

RUSSIA, S. M.
//YADERNAYA FIZIKA, //
--/09/1973, V0017, 00003,
Electromagnetic interaction in $SU(3) \times SU(3)$
symmetry and pseudoscalar meson decays,
pp 582-591 AIP00

LAPIDUS, L. I.
//YADERNAYA FIZIKA, //
--/03/1973, V0017, 00003,
Baryon polarization in small-angle scattering
by nuclei,
pp 592-600. AIP90

GRISOV, V. N.

//YADERNAYA FIZIKA, //

--/03/1979, V0019, 10003,

Properties of the pomeranchuk pole, diffraction
scattering and the asymptotic equality of the
total cross sections,

pp 603-613 AIP88

BUCKET, A. I.
//YADERNAYA FIZIKA, //
--/08/1973, V0017, N0003,
Large-angle scattering in the "DAMA" model
pp 614-620 AIP88

POPOV, V. S.
//ZABERNAYA FIZIKA, //
--/03/1973, V0017, N0003,
Critical charge for colliding nuclei,
pp 621-633 AIP00

BYDANEV, A. N.
//YABEKHAYA P'ZEKA, //
--/08/1978, V0017, N0003,
States of low energy in a two particle system
in a field,
pp 634-642 AIP00

VERBIV, I. A.

//YANOVAYA FLIZMA, //

--/03/1973, 70017, HB013.

Separation of variables in the Bethe-Salpeter
equation in Minkowski space,
pp 643-659 AIP80

DEKA, G. S.
//YABERNAYA FIZIKA, //
--/03/1973, V0017, N0003.
Certain characteristics of decays produced in
emulsion nuclei by 70 GeV/c protons
pp 660-661 AIP88

4-Mar-74

Uncl (BNL-tr--559) Shell-model approach to nucleon--
nucleus elastic scattering. ZARETSKII, D.F.; URIN, M.G.
Translated by S. J. Amoretty from Yadern. Fiz.; 18: No.
3, 508-518(1973). 23p. Dep. NTIS \$3.25.

20H physics (nuclear); translations
MN-34c P NSA

EXTRACT
//YADERNAYA FIZIKA//
--/10/1973, V9017, N0004,
Soviet Journal of Nuclear Physics,
PP 345-404 English pages
PP 665-888 Russian pages April 1973,
FULL TRANSLATION AMERICAN INSTITUTE OF PHYSICS
AVAILABLE IN LIBRARY SERIALS00

VARIOUS

//SADERNAYA FIZIKA//

--/11/1973, V0017, N0005,

Soviet Journal of Nuclear Physics,

pp 464-582 English Pages

pp 889-1119 Russian Pages May 1973,

FULL TRANSLATION AMERICAN INSTITUTE OF PHYSICS

AVAILABLE IN LIBRARY SERIALS@

VARIOUS
//SADERNAYA FIZIKA//
--/12/1973, V0017, N0006,
Soviet Journal of Nuclear Physics,
PP 588-700 English Pages
PP 1121-1347 Russian Pages June 1973,
FULL TRANSLATION AMERICAN INSTITUTE OF PHYSICS
AVAILABLE IN LIBRARY SERIALS

15-Aug-74
AEC
Uncl (BNL-tr--571) Capture of thermal neutrons by
even-even nuclei with $A = 60$ to 80 . MURZIN, A.V.
Translated by S.J. Amoretty from Yadern. Fiz.; 18: No.
1, 24-28(1973). 12p. Dep. NTIS \$4.00.

20H physics (nuclear); translations
MN-34c P NSA

VARIOUS
//YADERNAYA FIZIKA//
--/01/1974, V0018, N0001,
Soviet Journal of Nuclear Physics,
EP 3-119 English Pages
EP 3-231 Russian Pages July 1973,
FULL TRANSLATION AMERICAN INSTITUTE OF PHYSICS
AVAILABLE IN LIBRARY SERIALS

UNKNOWN

//YADERMAYA FIZIKA//

--/09/1973,V0018,N0003,

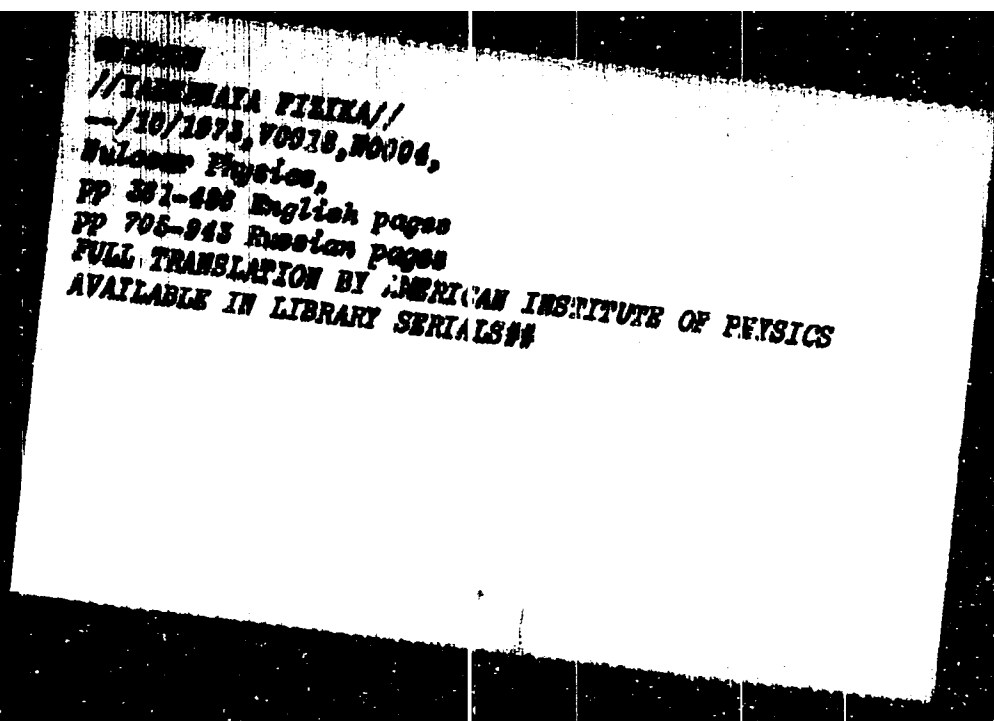
Nuclear Physics

pp 473-702 Russian pages

Volume 18, Number 3, March 1974, pp 243-360

English version

FULL TRANSLATION AMERICAN INSTITUTE OF PHYSICS
AVAILABLE IN LIBRARY SERIALS##



UNKNOWN

//YADERNAYA FIZIKA//

--/11/1978, V0018, N0005,

Nuclear Physics

pp 487-588 English pages

pp 946-1144 Russian pages

FULL TRANSLATION BY AMERICAN INSTITUTE OF PHYSICS

AVAILABLE IN LIBRARY SERIALS#1

UNKNOWN

//YADERNAYA FIZIKA//

--/12/1978, V0018, N0000,

Nuclear Physics,

pp 589-674 English pages

pp 1145-1317 Russian pages

FULL TRANSLATION BY AMERICAN INSTITUTE OF PHYSICS "

AVAILABLE IN LIBRARY SERIALS#

Borodin, P.

Nuclear Magnetic Resonance
YADERN'II MAGNITN'II REZONANS, Vol III 138 pp
Izdatel'stvo Leningradskogo Universiteta, 1969

*NTIS TT 73-52031

July 1973

VARIOUS

//YADERNAYA METEOROLOGIYA//

--/--/1971-72,

Nuclear Meteorology, 380 pp

book, Proceedings Nos. 21,25 of the All-Union Con-

ference on Nuclear Meteorology - at Obninsk, 23-28

June 1969, AEC/Conf-691076, NTIS-TT-74-500110a

Uncl (SLAC-Trans--164) 20-Aug-74
individual thermoluminescent neutron dosimeter.
KAZANSKAYA, V.A.; KUZ'MIN, V.V.; MAKAROV, YA.A.; MINAEVA,
E.E.; RYNKOV, G.I.; SCKOLOV, A.D. Translated from
Yadern. Priborostroi. No. 13, 118-122(1970). 8p. Dep.
NTIS \$4.00.

18D instrumentation: translations
PN-37 P NSA

Lavrukhina, A. K.

Nuclear Reactions in Cosmic Bodies.

YADERNYYE REAKTSII V KOSMICHESKIKH TELAKH, 1972, 254 pp

*NASA TT F 802

FILIPPOV. YE. N.
//YADERNYYE RAZVEDCHIKI YEMNOM I KOSMICHESKIM
OBYEKTOV, NOVOSIBIRSK, "NAUKA" PRESS,
SIBERIAN BRANCH, //
---/---/1974, V-----, N-----,
Nuclear Prospectors of Earth and Space Objects,
pp 1-138, NASA TT F 1514000

FUJINOTO, Y.

//YAKUGAKU ZASSHI//

--/--/1965, V0085, N-----.

Synthesis of pyrimidine and purine bases. Part 1,

Synthesis of adenine from malonic ester,

pp 384-387, NTC 74-11501-060#11

FUJIMOTO, Y.

//YAKUGAKU ZASSHI//

--/--/1966, V0085, N-----,

Synthesis of pyrimidine and purine bases. Part 2.

Synthesis of adenine from malonic ester,

pp 367-370, NTC 74-11502-06(NH)

YU. TANAKA

Infrared Absorption Spectra of Organic Sulfur
Compounds.

YAKUGAKU ZASSHI, Vol. 88, No 6, pp 695-698,
1968.

NRC C-11834

Mar 73

Osada, H.

Studies on Inhibitors of Cholesterol Biosynthesis.
Part III. Elucidation of Sites of Inhibition of
cholesterol biosynthesis by 1, 1' -Decamethylene
Diguandine Dihydrochloride, Vitamin K₃ and 2-Methyl-3,
6-Dibromo-1,4- Benzoquinone in Rat Liver Homogenates
YAKUGAKU ZASSHI, v. 91, n. 2, 1971, pp. 187-193
NTC 73-12802-06A
NLL RTS 7458

RESEARCH, S.
//EASHE//
--/--/1972, V0092, R0006,
Studies on the Compression of Powder-like Materials.
Part IX. Some Theoretical Considerations of
Compression-State Equations of Powder-Like Materials,
pp 686-693, NTC 74-10100-20K22

Kishitani, Y.

Studies on the metal complexes of quino-benzoic acids.
YASUOKA KASHEI, Vol 98, 1978, pp 1083-1084
NYC 71-12004-DYC

Iwatsuki, T.

Studies on the Extraction, Separation, and Estimation
of Prostaglandins by Radioimmunoassay

YASUO KASAI, Y. 92, n. 10, 1972, pp. 1187-1194

NTC 73-12727-060

Shimeno, H.

Metabolism of Drugs. 77: In vitro Metabolism of
Antipyrine *1280*
YAKUGAKU ZASSHI, 1972, V. 92, No. 11, p 1376-1379
NASA-TT-F-114868

Summary:

Studies on extraction, separation, and determination of prostaglandins by radioimmunoassay. Part 1. Separation of individual prostaglandins by thin-layer chromatography with stepwise development and determination of prostaglandin E₂.

YAKUGAKU ZASSHI, Vol 93, No 4, 1973, pp 471-475
NITC 73-14585-080

TAMURA, Y.

//YAKUGAKU ZASSHI//

--/--/1973,V0093,N-----;

The Synthesis and Properties of N-Acylimino-
3,4-Dihydroisoquinolinium Betaines,
pp 648-653,NTC 74-10571-0703C

NOSE, Y.

On the Growing Similarity Between the Air Pollution
in the Ube-Onoda District and the Tokuyama-Nanyo
District

YAMAGUCHI KENRITSU IKA DAIGAKU SANGYO IGAKU
KENKYUSHO NEMPO, vol. 16, pp. 217-220, 1971
NTC 73-10137-06J

March 73

K. Yoshizaki

Environmental pollution and health trends among
the residence of petroleum industry cities.

Part II. An ecological study of the relationship
between health trends among the residents of
Tokuyama City and the life environment as seen
in mortality rates by principal causes.

YAMAGUCHI-KENRITUSU IKA DAIGAKU SANGYO IGAKU
KENKYUSHO NEIPO, Vol 17, pp 62-78, 1970
NIC 72-15252-06J

mar 73

Reviews Trends in Books and Publishing Industry,
11 pp.

TURKISH, per, Yanki, Ankara, 30 Apr-6 May 73,
pp 20-24.

JPRS 59235

Jun 73

RPP Mayor Puts Populist Principles Into
Practice, 5 pp.

YANKI, Ankara, 7-13 May 73, pp 6, 8, 9.

JPRS 59732

Sep 73

Question of Amnesty Discussed With Various
Groups, 9 pp.

YANKI, Ankara, 25 Jun-1 Jul 73, pp 20-23.

JPRS 59822

Sep 73

Army Social Security Association Increases
Benefits, 5 pp.
YANKI, Ankara, 11-17 Jun 73, pp 14, 15.
JPRS 59973

Oct 73

Political Party Leaders Go on Campaign Tours,
9 pp.

YANKI, Ankara, 16-22 Jul 73, pp 5, 6, 8-10.
JPRS 59833

Sep 73

Military Appointments, Considerations Behind
Them Discussed, 5 pp.
YANKI, Ankara, 13-19 Aug 73, pp 13-16.
JPRS 60347

Nov 73

Air Force Commander's Role in 12 March Event
Explained, 9 pp.

YANKI, Ankara, 3-9 Sep 73, pp 4-10.

JPRS 60213

Oct 73

Newsman Play Up to New Government; Press
Analyzed, 5 pp.
YANKI, Ankara, 4-10 Feb 74, pp 14, 15.
JPRS 61547

Apr 74

Past, Present State of JP Analyzed on
Anniversary, 5 pp.

YANKI, Ankara, 18-24 Feb 74, pp 4-6.

JPRS 61576

Apr 74

Secret Report Reveals Facts on Smuggling in
Kilis, 6 pp.
YANKI, Ankara, 8 Apr 74, pp 9-11.
JPRS 62101

Sep 74

Finance Minister on Tax Reduction for Needy,
7 pp.
YANKI, Ankara, 10 Jun 74, pp 4-6, 8.
JPRS 62487

Oct 74

New Senator Batur Comments on National Issues,
5 pp.

YANKI, Ankara, 17 Jun 74, pp 5, 6.

JPRS 62515

Oct 74

Plans for Turkish Airlines Revealed, 6 pp.
YANKI, Ankara, 1 Jul 74, pp 12-13.
JPRS 63117

Nov 74

JAPANESE:

Yaponskaya delegatsia po oznakomleniyu s sovetskoi
atomnoi energetikoi. (no author) 1973.
(IR# 1 771 0107 73)

DIA LN 358-74 (approx 30 pp)

Mar 74

Ivanov, P. K.

Spring Wheat.

327 pp

YAROVAYA PSHENITSA. Moscow, 1971, 328 pp.

JPRS 59968

Boyko, A. A.

Foot and Mouth Disease.. Biological-Ecological
Aspects of the Problem..

263 pp

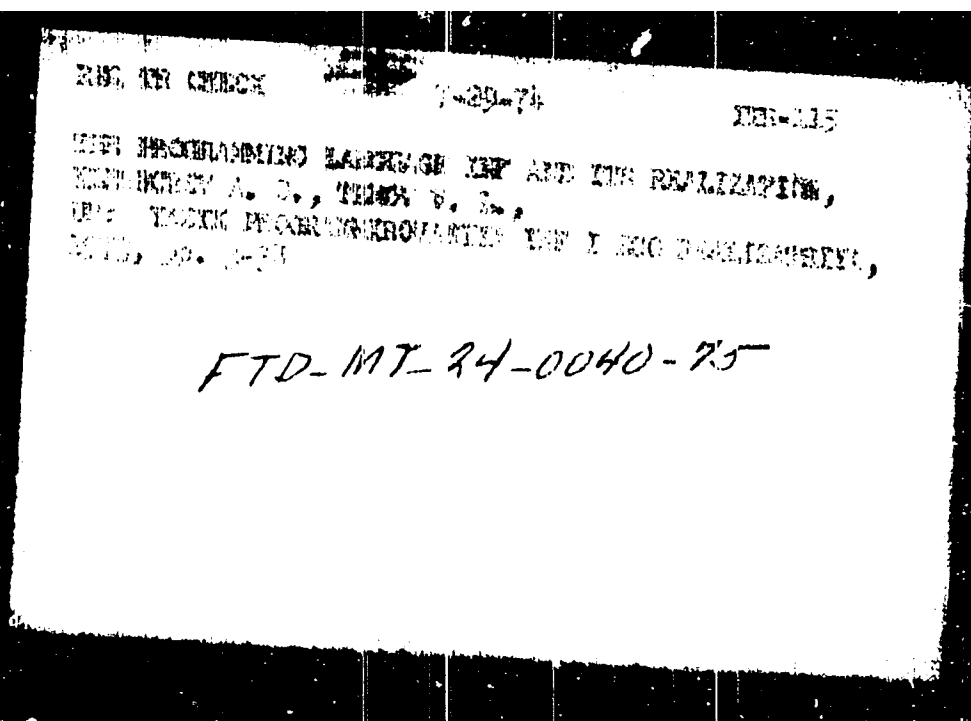
YASECHUR, BIOLOGO-ÉKOLOGICHESKIY ASPEKT PROBLEMY.

Moscow, 1971, pp 1-352.

JPRS 62379

Kandova, R. K.

A language for computing (prescription) orientation / 6 pp
YAZIK DLYA RASCHETA ORIENTATSII KOORDINATNOGO APPARATA
October 7-13, 1973, 9 pp
/NASA TT F 15,547



AGENCY: **ACSI** *confidential* 9244/2040
P.O.A: **K-503** *140 pp* 12 Aug. 74
TITLE: **A Unified Deep-water System of the
Inland Waterways of the European
Part of the USSR**
AUTHOR: **G. M. MAYLIN & A. S. GOKHSITEIN, et al**
SOURCE: **(Not listed) A. TITLE 11 2-120**
LANGUAGE: **Russian 1971**
Instructions: Please translate and type on plain
bond, 8 1/2" X 10 1/2", single-spaced.
Document may be cut for paste-ups.

YEDINAYA GLUBOKOVOLNAYA SISTEMA (SHCH)
VNUTRENNIYKH VODNYKH PUTEY YEVROPEYSKOY
CHASTI SSSR, 1971

UNIFIED COMPUTER SYSTEM

NDNF GIVEN LANGUAGE-RU COUNTRY-UR

YEDINAYA SISTEMA ELEKTRONNYKH VYCHISLITEL'NYKH
MASHIN

1972. PP 3-34

FSTC-HT-23-0371-74

Lipkiy, Yu. N.

A unified system of selenodetic coordinates from
nine catalogues on the visible hemisphere of the
moon 217pp

YEDINAYA SISTEMA SELENODEZICHESKIKH KOORDINAT
IZ DEVIYATI KATALOGIV NA VIDIMOM POLUSHARI LUNI.

Nauka Press, Moscow, 1973, pp. 384

NASA TT F-813

RUSSIAN

*Completed
Special*

CSO: 8144/0046

12 July 1974

Sole Responsibility in the Soviet Armed Forces
and Ways of Strengthening it Further, by
A.M. Lar'kov, N.T. Filippov *9 pp*

Moscow, Yedinonachaliye v Sovetskikh Vooruz-
hennykh Silakh i Puti Yego Dal'neyshego
Ukrepleniya, 1960 pp 3-39

Special type B

Do not publish

Single spaced draft plus one.

T/D: 1 Aug 1974

Yachin

Egyptian Editor Haykal Evaluated, 5 pp.
YEDIOT HADASHOT, Tel Aviv, 24 Jun 73, pp 2, 3.
JPRS 59632

Aug 73

HEBREW

*complete
Special 5 pp*

CSO: 8023/2077

14 May 1974

Who and What is Behind the Terrorists,

Israel, Yediot Ahronot, 26 April 1974

Special type B

Do not publish

Single spaced draft plus one

HEBREW

CSO: 8025/2267
13 June 1974

complete Special 17 pp
Interview with Arik Sharon on Terrorism,
by Eitan Haber

Yediot Ahronot, 26 May 1974

Special type B

Do not publish

Single spaced draft plus one

HEBREW

*complete
Special
5pp*

CSO: 8023/2266

13 June 1974

A Soviet Agent in Sadat's Office

Yediot Ahronot, 29 May 1974

Special type B

Do not publish

Single spaced draft plus one

REQ TR CHECK

23-08-73

T397

GENERAL DESCRIPTION OF THE "GARNI" MACHINE
AND THE PROCESSES OF THE REALIZATION OF THE
TRANSLATION ALGORITHM

TER-MIKAELYAN, T.M.; URUTYAN, R.L.

UR: YEREVANSKIY COSUDARSTVENNYY UNIVERSITET
VYCHISLITEL'NYY TSENTR, 1972, pp. 9-23*Process on file**MT 74-24-0397*

GABRIEL, G. M.

//YEREVAN PHYSICS INST.//

--/--/1973, V-----, M-----,

Theory of Radiation Generated by Charged
Particles passing Through Continuous Periodic
Medium, 31 pp.

33 pp., NASA-TT-F-147260

STRUCTURE AND CHARACTERISTICS OF STEEL CHROMI
UM PLATED IN A VACUUM

GORBUNOV, N. LANGUAGE-RU COUNTRY-UR

VEST. SV. NAUCHN. DOKL. NA SOVESHCHANI I PO PR
OBL MOSCOW 1970 PP 73-89

FSTC-HT-23-1279-73

И. Яфремов, А. Г.
Europe and Nuclear Weapons

366 pp

YEYROPА I YADERNOYE ORUZHIE

1972

391 pp

JPRS 58481

ACTA GENETICA SINICA (YI-CHUAN HSIUEH-PAO.)
a semiannual, Vol. 1, No. 1, 1973, of each
Chinese journal.
*Plenum Press

Recieved In Letter November 29, 1973

Interview With Communal Economy Director, 5 pp.
YLLI, Tirana, Aug 74, pp 12-B
JPRS 63256

Dec 74

Kobayashi, T.

Aluminum phosphate hydrates.

YOGYO KYOKAI SHI, Vol. 71, n. 11, 1967,

p. 201-206

NTC 72-11472-112

Saito, S

Sintering of cerium oxide.

YOGYO KYOKAI-SHI, Vol. 74, n. 4, 1966,

p. 121-127

NTC 73-11301-078

Okawara, S.

Corrosion of mullite refractory by alkaline vapor. Part
1. Corrosion by Na_2CO_3 vapor

YOGYO KYOKAI-SHI, v. 77, n. 6, 1969, pp. 208-216

NTC 72-13045-11B

Takamizawa, F.

*Effect of glassy phase separation on nucleation in
Fluor-Richterite composition glass.*

YOGYO KYOKAI-SHI, Vol 78, No 18, 1970, pp 411-420

NTC 73-13318-11B

FINELY DIVIDED SILICON NITRIDE BY VAPOR PHASE
REACTION BETWEEN SILICON TETRACHL

KATO A

LANGUAGE-JA COUNTRY-JA

YOGYO-KYOKAI-SHI 80 MU 3 1972 PP 114-120

FSTC-HT-23-1406-73

Tokuyama, N.

Microstructure of Fluor-Aluminosilicate composition glass-ceramic having high mechanical strength.

YOGYO KYOKAI-SHI, Vol 80, No 5, 1972, pp 304-311

NTC 78-18317-11B

TANAKA, T.
//YOGO KYOKAI-SHI//
--/--/1972, V0080, N----,
Some Factors Affecting the Darkening of Photo-
chromic Glass Containing Silver Chloride,
pp 219-226, NTC 74-10391-14E00